

## **EXHIBIT J**



Testing Engineers, Inc.

Quality Assurance Services  
Materials Consulting  
Since 1954

June 16, 1998

Mr. Kenneth Boilen  
ANCHOR TIEDOWN SYSTEMS  
205 Camino Alto #135  
PO Box 2517  
Mill Valley, CA 94941

Laboratory no.: P152

**SUBJECT:** Proof load testing of one (1) Anchor Tiedown Expansion Washer.

Dear Mr. Boilen:

As requested, we have performed the subject testing on the sample submitted on June 12, 1998. Testing was performed at our laboratory in Oakland, CA, on a 120 kip Satec universal testing machine (calibration traceable to NIST).

**PROCEDURE**

The sample was placed on the bed of the test machine. The washer was adjusted so that the threaded insert was extended  $\frac{3}{4}$ ". A compressive load was applied through a swivel head load applicator at a approximate rate of 50,000 pounds per minute. After attaining the specified proofload (see Table I) the load was released and the sample visually inspected for deformation and checked to ensure rotation of the threaded insert. The rotation check was performed by rotating the threaded insert by hand. Please see attached Table I for test results.

If you have any questions regarding this report and/or if we may be of further service please contact the undersigned at 510-835-3142.

Sincerely,  
**TESTING ENGINEERS, INC.**

  
Dan Watanabe  
Materials Science Laboratory Supervisor

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**TABLE I**

<u>Load (LB)</u>	<u>Rotation</u>	<u>Deformation</u>
40,000	Threaded insert rotated freely	none apparent
60,000	Threaded insert rotated freely	none apparent
70,000	Threaded insert rotated freely	none apparent
80,000	Threaded insert rotated freely	none apparent
85,000	Threaded insert rotated freely	none apparent
90,000	Threaded insert did not turn by hand	minor

Notes: In process of conducting additional testing for publication.

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